

## Title (en)

POSITIVE ELECTRODE MIXTURE SLURRY FOR LITHIUM SECONDARY BATTERIES, AND POSITIVE ELECTRODE AND LITHIUM SECONDARY BATTERY THAT USE SAID SLURRY

## Title (de)

SCHLAMM AUS POSITIVELEKTRODENMISCHUNG FÜR LITHIUMSEKUNDÄRBATTERIEN SOWIE POSITIVELEKTRODE UND LITHIUMSEKUNDÄRBATTERIE MIT DIESEM SCHLAMM

## Title (fr)

SUSPENSION POUR MÉLANGE D'ÉLECTRODE POSITIVE DE BATTERIE SECONDAIRE AU LITHIUM, ÉLECTRODE POSITIVE ET BATTERIE SECONDAIRE AU LITHIUM QUI UTILISENT LADITE SUSPENSION

## Publication

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## Application

**EP 10741253 A 20100210**

## Priority

- JP 2010051954 W 20100210
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## Abstract (en)

[origin: EP2398095A1] The invention provides a stable positive-electrode mixture slurry that is not subject to gelation, a positive electrode with abundant flexibility, and a lithium secondary battery with excellent battery characteristics. The slurry comprises a positive-electrode active material, a binder, and an organic solvent, the positive-electrode active material is a lithium-containing complex metal oxide represented by Formula:  $\text{Li}_x \text{M}_1^y \text{M}_2^{1-y} \text{O}_2$  (wherein  $0.4 \leq x \leq 1$ ;  $0.3 \leq y \leq 1$ ;  $\text{M}_1$  is at least one selected from Ni or Mn; and  $\text{M}_2$  is at least one selected from Co, Al, or Fe); and the binder comprises a fluorine-containing polymer represented by Composition Formula:  $(\text{VDF})_m (\text{TFE})_n (\text{HFP})_l$  (wherein VDF is a structural unit from vinylidene fluoride; TFE is a structural unit from tetrafluoroethylene; HFP is a structural unit from hexafluoropropylene; and  $0.45 \leq m \leq 1$ ;  $0 \leq n \leq 0.5$ ; and  $0 \leq l \leq 0.1$ , and  $m + n + l = 1$ ).

## IPC 8 full level

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## Citation (search report)

- [XD] EP 0964464 A1 19991215 - DAIKIN IND LTD [JP]
- [XI] US 2006286457 A1 20061221 - SASAKI TAKESHI [JP]
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